
Multigroup Switch Replacement (LD 39)

The Multigroup Switch Replacement Diagnostic (LD 39) applies to multigroup systems equipped with Generic X37. The Multigroup Switch Diagnostic provides a means of:

- Determining the status of any Peripheral Signaling (PS), Multigroup Switch (MGS), Multigroup Extender (MGE) or Multigroup Control (MGC) pack
- Disabling and enabling any PS, MGS, MGE or MGC pack
- Switching the system clock from one MGC to another

MSR messages

MSR0000	Program 39 identifier. Indicates that the program has been loaded into the memory Overlay area.
MSR0001	Illegal character in command. Action: Check data and re-enter command.
MSR0002	Wrong number of input parameters for command. Action: Check data and re-enter command.
MSR0003	Illegal command. Action: Check data and re-enter command.
MSR0004	Group out-of-range. Action: Check data and re-enter command.
MSR0010	Command ignored since an active input device would be disabled. Action: Abort program and begin again.

MSR0015 Loop	Loop specified does not respond. During ENPS command an attempt is made to re-enable all loops associated with PS pack. This message indicates which loops could not be re-enabled. Action: Check network packs indicated, i.e., enable switch and cable.
MSR0018	Only one DISI allowed at a time per category, i.e., one each of DISI MGS, DISI MGC. Action: Use DIS command to finish disabling or END command to stop.
MSR0020	Specified peripheral signaling pack out-of-range. Packs 0 to 9 only are allowed.
MSR0021	Specified peripheral signaling pack not responding. Action: Check enable switch on pack. If pack still does not respond, a fault is indicated.
MSR0022	Peripheral signaling pack already enabled. No action.
MSR0025	Cannot determine which CPU is active. Indicates either a bus 0 fault or a faulty changeover pack which must be repaired before continuing. Action: Clear fault.
MSR0026 n	A peripheral signaling interrupt fault is present. n is the faulty peripheral signaling pack. If 0 pack is identified, cannot determine the fault source. No PS packs may be enabled while this fault exists.
MSR0027	A fault in the outgoing signaling circuitry has been detected on the PS pack being examined. Action: Replace pack.
MSR0029	Customer nonexistent. Verify data. CMIN ALL will clear all monitor alarms.
MSR0030	MGE is out-of-range. Only 0 to 19 allowed.
MSR0032	MGE specified is already enabled.
MSR0033	System clock must be switched before proceeding. Action: Enter SCLK command.
MSR0040	MGS is out-of-range. Only 0 to 9 allowed.
MSR0041	Multigroup switch specified is not responding.

Action: Verify that pack is seated properly and switched to ENABLE.

MSR0042 Multigroup switch specified is already enabled.

MSR0043 DISI MSG command completed. Pack can now be serviced.

MSR0050 Multigroup control specified is out-of-range. 0 to 1 is allowed.

MSR0051 Multigroup control specified is not responding.

Action: Verify that pack is seated properly and switched to ENABLE.

MSR0052 Multigroup control specified is already enabled.

MSR0053 DISI MGC command completed. Pack can now be serviced.

MSR0054 Idle CPU must be switched in for active CPU before proceeding.

Action: Load SCPU command. Reload LD 32.

MSR0060 n System clock n cannot be switched in to replace present clock. MGC n is faulty.

MSR0061 n list System clock N cannot be switched in because loss of service will result to the PS packs specified. List is composed of either single numbers or pairs separated by a '-', e.g., MSR061 : 0-1 2 4-5 or MSR061 : 1 4-5.

Action: Refer to Tables 20-D or 20-E to determine which packs may be at fault.

MSR0070 Specified equipment could not be enabled due to the network extender being disabled.

Action: Use LD 35 to enable extender before proceeding.